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PATENT

AUG 08 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application: Srinivasan *et al.*

Application No. 10/623,128

Filed: July 18, 2003

Confirmation No. 4493

For: IN-LOOP DEBLOCKING FILTER

Examiner: To be assigned

Art Unit: 2621

Attorney Reference No. 3382-66127-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)

Date Mailed August 5, 2005

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

If the present application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55). Applicant will provide copies of such patents upon request.

Applicant filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicant to file this IDS,

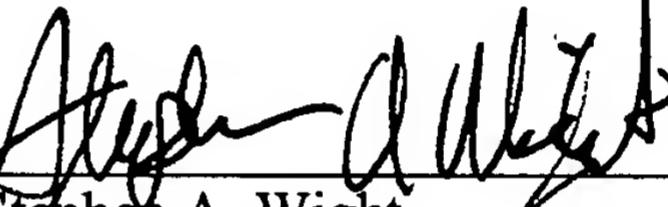
please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By



Stephen A. Wight

Registration No. 37,759

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Docketing

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USPTO OFFICE
INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Attorney Docket Number	3382-66127-01
Application Number	10/623,128
Filing Date	July 18, 2003
First Named Inventor	Srinivasan
Art Unit	2621
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		6,704,718	June 5, 2001 (filed)	Burges <i>et al.</i>
		6,178,205	Jan. 23, 2001	Drizen <i>et al.</i>
		2002150166	Oct. 17, 2002	Johnson
		6,766,063	July 20, 2004	Gonsalves
		2002009146	Jan. 24, 2002	Westermann <i>et al.</i>
		6,038,256	March 14, 2000	Wells <i>et al.</i>

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		TW	379509	Jan. 11, 2000	Ackner
		WO	03036979	May 1, 2003	Bruls

OTHER DOCUMENTS

	I. Linares, R. Mersereau and M. Smith, "JPEG Estimated Spectrum Adaptive Postfiltering Using Image-Adaptive Q-Tables and Canny Edge Detectors," <i>Proc. ISCAS'96</i> , Atlanta GA, May 1996.
	Y. L. Lee, H. C. Kim, and H. W. Park, "Blocking Effect Reduction of JPEG Images by Signal Adaptive Filtering," <i>IEEE Trans. on Image Processing</i> , Vol. 7, pp. 229-234, Feb. 1998.
	Thomas Meier, King N. Ngan, and Gregory Crebbin, "Reduction of Blocking Artifacts in Image and Video Coding," <i>IEEE Trans. on Circuits and Systems for Video Technology</i> 9(3):490-500, Apr. 1999.

EXAMINER SIGNATURE:

DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	3382-66127-01
		Application Number	10/623,128
		Filing Date	July 18, 2003
		First Named Inventor	Srinivasan
		Art Unit	2621
		Examiner Name	To be assigned
		A. Joch, F. Kossentini, P. Nasiopoulos, "A Performance Analysis of the ITU-T Draft H.26L Video Coding Standard." http://pv2002.ece.cmu.edu/papers (Current August 2002).	
		Chen, T., Ren Wu, H. and Qiu, B., "Adaptive post-filtering of transform coefficients for the reduction of blocking artifacts," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> 11(5):594–602, 2001.	
		Choy, S. S. O. and Chan, Y.-H., "Reduction of coding artifacts in transform image coding by using local statistics of transform coefficients," <i>IEEE International Symposium on Circuits and Systems</i> , pp. 1089–1092, 1997.	
		Minami, S. and Zakhor, A., "An optimization approach for removing blocking effects in transform coding," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> 5(2):74–82, 1995.	
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		Henrique Malvar, "Biorthogonal and Nonuniform Lapped Transforms for Transform Coding with Reduced Blocking and Ringing Artifacts," <i>IEEE Transactions on Signal Processing</i> 46(4):1043-1053, Apr. 1998.	
		International Organisation for Standardisation, "Generic coding of moving pictures and associated audio," Draft recommendation H.262, ISO/IEC 13812-2, Mar. 1994.	
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		Stathis Panis, Guillaume Stamm, and Robert Kutka, "A method for reducing block artifacts by interpolating block borders," available at http://www.cs.mcgill.ca/~gstamm/Siemens1/paper1.html .	
		Panis S., Kutka R., Kaup A., "Reduction of block artifacts by selective removal and reconstruction of the block borders," Picture Coding Symposium 97, Berlin, Sep. 10-12, 1997.	
		S.-W. Wu and A. Gersho, "Joint estimation of forward and backward motion vectors for interpolative prediction of video," <i>IEEE Transactions on Image Processing</i> 3(5):684-687, Sept. 1994.	

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